

Title (en)
TUFTED FIBROUS WEB

Title (de)
TUFTED-FASERBAHN

Title (fr)
BANDE FIBREUSE TUFTEE

Publication
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Application
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Priority
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• US 43599603 A 20030512

Abstract (en)
[origin: WO2004058117A1] Disclosed is a fibrous web comprising a first region and at least one discrete integral second region, the second region having at least one portion being a discontinuity exhibiting a linear orientation and defining a longitudinal axis, and at least another portion being a deformation comprising a plurality of tufted fibers integral with but extending from the first region.

IPC 8 full level
A61F 13/15 (2006.01); **A44B 18/00** (2006.01); **A47K 10/32** (2006.01); **A61F 13/00** (2006.01); **A61F 13/20** (2006.01); **A61F 13/472** (2006.01); **A61F 13/51** (2006.01); **A61F 13/511** (2006.01); **A61F 13/512** (2006.01); **A61F 13/513** (2006.01); **A61F 13/62** (2006.01); **A61F 13/68** (2006.01); **A61K 8/02** (2006.01); **A61Q 5/00** (2006.01); **A61Q 5/02** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/10** (2006.01); **B01D 39/16** (2006.01); **B32B 3/28** (2006.01); **B32B 5/00** (2006.01); **B32B 5/26** (2006.01); **B32B 7/02** (2019.01); **B32B 27/08** (2006.01); **B32B 27/32** (2006.01); **B32B 27/36** (2006.01); **D04H 1/76** (2012.01); **D04H 11/08** (2006.01)

CPC (source: EP KR US)
A44B 18/0011 (2013.01 - EP US); **A61F 13/15** (2013.01 - KR); **A61F 13/15707** (2013.01 - EP US); **A61F 13/2068** (2013.01 - EP US); **A61F 13/512** (2013.01 - EP US); **B01D 39/1615** (2013.01 - EP US); **B01D 39/1623** (2013.01 - EP US); **B32B 3/28** (2013.01 - EP US); **B32B 5/022** (2013.01 - US); **B32B 5/12** (2013.01 - US); **B32B 5/26** (2013.01 - EP US); **B32B 7/02** (2013.01 - EP KR US); **B32B 27/08** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **D04H 11/08** (2013.01 - EP KR US); **D04H 13/00** (2013.01 - KR); **A47K 2010/3266** (2013.01 - EP US); **A61F 13/472** (2013.01 - EP US); **A61F 2013/51007** (2013.01 - EP US); **A61F 2013/51178** (2013.01 - EP US); **A61F 2013/51344** (2013.01 - EP US); **A61F 2013/51355** (2013.01 - EP US); **A61F 2013/51383** (2013.01 - EP US); **B01D 2239/0604** (2013.01 - EP US); **Y10T 428/23914** (2015.04 - EP US); **Y10T 428/23929** (2015.04 - EP US); **Y10T 428/23936** (2015.04 - EP US); **Y10T 428/2395** (2015.04 - EP US); **Y10T 428/23957** (2015.04 - EP US); **Y10T 428/24289** (2015.01 - EP US); **Y10T 428/24322** (2015.01 - EP US); **Y10T 428/24339** (2015.01 - EP US); **Y10T 428/24479** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US); **Y10T 428/24636** (2015.01 - EP US); **Y10T 442/611** (2015.04 - EP US); **Y10T 442/637** (2015.04 - EP US); **Y10T 442/681** (2015.04 - EP US)

Citation (examination)
• US 2002029445 A1 20020314 - STEIN KARLHEINZ [DE], et al
• US 4379799 A 19830412 - HOLMES RORY A, et al
• US 5080951 A 19920114 - GUTHRIE DAVID W [US]

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WO 2004058117 A1 20040715; AR 042493 A1 20050622; AU 2003301008 A1 20040722; AU 2003301008 B2 20060907; BR 0317578 A 20051122; BR 0317578 B1 20150106; CA 2505554 A1 20040715; CA 2505554 C 20090714; EG 23666 A 20070402; EP 1572050 A1 20050914; EP 1572050 B1 20210421; EP 2332504 A1 20110615; ES 2873898 T3 20211104; HU E054489 T2 20210928; IL 197059 A 20110630; JP 2006511737 A 20060406; JP 4308822 B2 20090805; KR 100761571 B1 20071004; KR 20050088390 A 20050905; MX PA05005755 A 20050816; PE 20040872 A1 20041231; TW 200427888 A 20041216; US 2004131820 A1 20040708; US 2009233039 A1 20090917; US 2010330326 A1 20101230; US 2012171408 A1 20120705; US 2014170367 A1 20140619; US 7553532 B2 20090630; US 7829173 B2 20101109; US 8153225 B2 20120410; US 8697218 B2 20140415; US 9694556 B2 20170704

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